

S17	3	"946024".ap. and direct\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/09 10:27
S19	719	358/525,523.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/09 10:57
S14	0	S13 and (((match\$5 or equaliz\$6 or equal or similar\$5) near3 characteristic) near5 half\$2ton\$3) and gamma	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/09 10:57
S20	17	S19 and ((match\$5 or equaliz\$6 or equal or similar\$5) near3 characteristic) and half\$3ton\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/09 10:59
S15	5	S13 and (gamma near3 characteristic)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/09 11:41
S24	0	"5345315".pn. and (match\$5 same level)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/09 11:43
S23	1	"5345315".pn. and (match\$5 same bright\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/09 11:43
S22	0	"5345315".pn. and (match\$5 with bright\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/09 11:43
S21	1	"5345315".pn. and bright\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/09 11:43
S26	1	"5345315".pn. and (level)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/09 11:47
S25	1	"5345315".pn. and ((match\$5 or equal\$7) same bright\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/09 11:47

S28	0	"5345315".pn. and (half\$5 same characteristic)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/09 11:50
S27	2	"5345315".pn. and (densit\$5 adj2 value)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/09 11:50
S29	0	"5345315".pn. and (half\$3ton\$5 same characteristic)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/09 11:52
S30	0	"5345315".pn. and (half\$3ton\$5 with (table or LUT or look\$2up))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/09 11:53
S32	0	"741099".ap. and threshold\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/09 13:21
S31	0	"741099".ap. and threshold4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/09 13:21
S8	6	"741099".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/09 13:21
S33	6	"741099".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/09 13:26
S35	1	"741099".ap. and (dither\$5 with half\$8)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/09 13:27
S34	1	"741099".ap. and dither\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/09 13:27
S18	1	"946024".ap. and (originat\$5 with produc\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/09 13:49

S36	1	"946024".ap. and (originat\$5 near3 computer)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/09 13:50
S39	0	"946024".ap. and ((originat\$5 near3 computer) same direct45)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/09 13:51
S38	0	"946024".ap. and ((originat\$5 near3 computer) same control\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/09 13:51
S37	1	"946024".ap. and ((originat\$5 near3 computer) same remot\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/09 13:51
S40	1	"946024".ap. and ((originat\$5 near3 computer) same direct\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/09 14:04
S42	2	"6280105".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/09 14:49
S41	2	"20010052998".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/09 14:49

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	((gamma near2 characteristic near3 (display or monitor or lcd or crt)) same ((gamma near2 characteristic) near3 (half\$2ton\$3))).	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/04 09:57
S2	4	((gamma near2 characteristic near3 (display or monitor or lcd or crt)) and ((gamma near2 characteristic) near3 (half\$2ton\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/04 09:58
S4	11	((match\$5 near3 characteristic) near3 (half\$2ton\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/04 10:04
S5	1	((((match\$5 or equaliz\$6 or equal or similar\$5) near3 characteristic) near5 half\$2ton\$3) same gamma	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/04 10:07
S7	2	"6356356".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/04 10:32
S11	2	"6831755".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/09 09:52
S13	15	("4656524" "4786820" "5081529" "5093653" "5296947" "5345315" "5408342" "5461679" "5563725" "5585841" "5692210" "5828461" "5877746" "6563596" "6608927").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/09 09:53
S12	0	("6831755").URPN.	USPAT	OR	ON	2005/11/09 09:53
S6	10	((((match\$5 or equaliz\$6 or equal or similar\$5) near3 characteristic) near5 half\$2ton\$3) and gamma	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/09 09:53
S3	14	((gamma near2 characteristic) near3 (half\$2ton\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/09 10:21
S16	0	"946024".ap. and delay	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/09 10:26

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	217	(toru near3 fujita).in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/13 20:16
L2	14	(toru near3 fujita).in. and (gamma near3 characteristic)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/13 20:38
L3	5	2 and ((gamma or half\$2ton\$5) near3 (table or lut or lookup or look-up))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/13 20:38
L4	16	(toru near3 fujita).in. and (gamma	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/13 20:38
L5	7	4 and ((gamma or half\$2ton\$5) near3 (table or lut or lookup or look-up))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/13 20:38

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	217	(toru near3 fujita).in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/13 20:16
L2	14	(toru near3 fujita).in. and (gamma near3 characteristic)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/13 20:49
L3	5	2 and ((gamma or half\$2ton\$5) near3 (table or lut or lookup or look-up))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/13 20:38
L4	16	(toru near3 fujita).in. and (gamma	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/13 20:38
L5	7	4 and ((gamma or half\$2ton\$5) near3 (table or lut or lookup or look-up))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/13 20:38
L6	2	(toru near3 fujita).in. and ((gamma near3 characteristic) with match\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/13 20:49
L7	946	358/406.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/13 20:49
L8	20	7 and (gamma near3 characteristic)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/13 20:49
L9	2	7 and ((gamma near3 characteristic) with (match\$5 or equaliz\$5 or equal\$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/13 20:50

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Key: IEEE JNL = IEEE Journal or Magazine, IEE JNL = IEE Journal or Magazine, IEEE CNF = IEEE Conference, II CNF = IEE Conference, IEEE STD = IEEE Standard

1. Inverse halftoning using binary permutation filters

Yeong-Taeg Kim; Arce, G.R.; Grabowski, N.;
Image Processing, IEEE Transactions on
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IEEE JNL

2. JPEG-compliant perceptual coding for a grayscale image printing pipeline

Vander Kam, R.A.; Ping Wah Wong; Gray, R.M.;
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3. Digital color halftoning with generalized error diffusion and multichannel green-noise masks

Lau, D.L.; Arce, G.R.; Gallagher, N.C.;
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4. Optimized halftoning using dot diffusion and methods for inverse halftoning

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5. Tree-structured method for LUT inverse halftoning and for image halftoning

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6. Blue and green noise halftoning models

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7. Joint Image Halftoning and Watermarking in High-Resolution Digital Form

Chao-Yong Hsu; Chun-Shien Lu;
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Circuits and Systems, 2001. ISCAS 2001. The 2001 IEEE International Symposium on
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10. **Model-based digital halftoning with adaptive eye filters**
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11. **Look up table (LUT) method for image halftoning**
Mege, M.; Vaidyanathan, P.P.;
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12. **Adaptive threshold error diffusion technique for color inkjet printing**
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13. **A color halftoning algorithm for low-bit flat panel displays**
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14. **Lossy compression of clustered-dot halftones using sub-cell prediction**
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15. **A new imaging science phantom for performance evaluation of ultrasonic imaging systems**
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16. **Digital halftoning using a blue noise mask**
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17. **From Σ - Δ modulation to digital halftoning of images**
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18. **Customized JPEG compression for grayscale printing**
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19. Segmentation of character and natural image documents with neural network model for facsimile equipmer

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20. Inverse halftoning for monochrome pictures

Li-Ming Chen; Hsueh-Ming Hang;

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21. Inverse ordered dithered halftoning using permutation filters

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IEEE CNF

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Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	10608	358/519,518,521,534,535,536,1.9,530,448,1.1,442,406,525,523.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/13 21:45
L2	2439	382/167,260,270.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/13 21:46
L3	693	430/31.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/13 21:46
L4	335	347/131.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/13 21:46
L5	32	(1 or 2 or 3 or 4) and ((gamma near3 characteristic) with (match\$5 or equaliz\$5 or equal\$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/13 21:47
L6	56	(1 or 2 or 3 or 4) and ((gamma near3 characteristic) with (match\$5 or equaliz\$5 or equal\$5 or correspond\$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/13 21:54
L7	7	(1 or 2 or 3 or 4) and (((gamma near3 characteristic) with (match\$5 or equaliz\$5 or equal\$5 or correspond\$5)) same (input\$5 near4 (level)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/13 21:51
L8	7	(1 or 2 or 3 or 4) and (((gamma near3 characteristic) with (match\$5 or equaliz\$5 or equal\$5 or correspond\$5)) same (input\$5 near4 (brightness or densit\$5 or tone)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/13 21:53
L9	7	(1 or 2 or 3 or 4) and (((gamma or ".gamma.") near3 characteristic) with (match\$5 or equaliz\$5 or equal\$5 or correspond\$5)) same (input\$5 near4 (brightness or densit\$5 or tone)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/13 21:53
L10	27	(1 or 2 or 3 or 4) and ((gamma near3 characteristic) with (match\$5 or equaliz\$5 or equal\$5 or correspond\$5)) and (half\$3ton\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/13 21:54